S/N 10/019214

**PATENT** 

## N THE CONTENT ATES PATENT AND TRADEMARK OFFICE

Applicant:

LOGAN et al.

JUL 0 2 2002

Examiner:

Unknown

Serial No.:

10/019214

Group Art Unit:

Unknown

Filed:

21 December 2001

Docket No.:

12243.24USWO

Title:

GLYCOSYLTRANSFERASES OF HELICOBACTER PYLORI AS A

NEW TARGET IN PREVENTION AND TREATMENT OF H. PYLORI

**INFECTIONS** 

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence and the paper(s), as described herein, are being deposited in the United States Postal Service, as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on 25 one 2002.

By: Kate Ryan

## **INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))**

Commissioner for Patents Washington, D.C. 20231

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner. Some of the references were cited in an International Search Report mailed 21 March 2001.

This statement should be considered because it is submitted within three months of the date of entry of the national stage in an international application (37 C.F.R. § 1.491).

Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(a)(2), a copy of each document or other information listed on the enclosed Form 1449 is provided. Enclosed for the Examiner's information is a copy of the International Search Report.

A concise explanation of the relevance of each non-English language document or other information is as follows (37 C.F.R. §1.98(a)(3)):

An English abstract is provided for WO99/40205.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a

reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

Respectfully submitted,

MERCHANT & GOULD P.C.

P.O. Box 2903

Minneapolis, MN 55402-0903

(612)332.5300

Douglas P. Mueller Reg. No. 30,300

Dated: 25 June 2002

DPM/kjr



Chan et al, Glycobiology 5: 683-688 (1995)

12.

Form PTO-1449 U.S. DEPARTMENT OF COMME PATENT AND TRADEM ARIDORNIC DOCKET NUMBER: 12243.24-US-WO Application Number: 10/019,214 APPLICANT(S): Susan M. Logan, et al INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) FILING DATE: December 21, 2001 **GROUP ART UNIT U.S. PATENT DOCUMENTS** \*EXAMINER REF **DOCUMENT** DATE NAME CLASS **SUBCLASS** FILING DATE INITIAL NUMBER IF APPROPRIATE 1. 5,801,013 5,942,409 FOREIGN PATENT DOCUMENTS **DOCUMENT** DATE **CLASS COUNTRY SUBCLASS** TRANSLATION NUMBER YES WIPO WO 87/07148 4. WO 97/14782 WIPO WO96/40893 WIPO 6. WIPO WO99/40205 EP1054062 Europe OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Aspinall et al, Biochemistry 35: 2489-2497; 2498-2504 (1996) Aspinall et al, Eur. J. Biochem. 248: 592-601 (1997) 9. 10. Blaser, Gastroenterology 102: 720-727 (1992) Boren et al, Science 262: 1892-1895 (1993) 11.

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Page 1 of 3



## Form PTO-1449 U.S. DEPARTMENTED OMMERCE PATENT AND TRADEMARK OFFICE

DOCKET NUMBER: 12243.24-US-WO Application Number: 10/019,214

INFORMATION DISCLOSURE CITATION

APPLICANT(S): Susan M. Logan, et al

(Use several sheets if necessary)		FILING DATE: December 21, 2001	GROUP ART UNIT
OTHER DOCUMENT	'S (Including Author, Title, Date, Pertinent Pages,	Etc.)	
13.	Ciucanu et al, Carbohydr. Res. 131: 209-2		
14.	Conlan et al, Can. J. Microbiol. 45:975-980 (1999)		
15.	Cope et al, Mol. Microbiol. 5: 1113-1124 (1994)		
16.	Dell et al (Carbohydr. Res. 200: 59-67 (1990)		
17.	Dubois et al, Anal. Chem. 28: 350-356 (1956)		
18.	Eaton et al, Infect. Immun. 59: 2470-2475 (1991)		
19.	Engvall et al (J. Immunol. 109: 129-135 (1972)		
20.	Evans et al, J. Bacteriol. 175: 674-683 (1993)		
21.	Ferrero et al, Infect. Immun. 66: 1349-1355 (1998)		
22.	Gilbert et al, Eur. J. Biochem. 249: 187-19	4 (1997)	
23.	Haas et al, Mol. Microbiol. 8:753-760 (199	93)	
24.	Heinrichs et al, Mol. Microbiol. 30: 221-23	32 (1998)	
25.	Higgins et al, Gene 73: 237-244 (1988)		
26.	High et al, Mol. Microbiol. 9: 1275 (1993)		
27.	Inzana et al, Infect. Immun. 65: 4675-4681 (1997)		
28.	Jarosik et al, Infect. Immun. 62: 4861-4867 (1994)		
29.	Jennings et al, Mol. Microbiol. 18: 729-740 (1995)		
30.	Knirel et al, Eur. J. Biochem. 266: 123-131 (2000)		
31.	Labigne et al J. Bacteriol. 170: 1704-1708	(1988)	
32.	Laemmli (Nature 227: 680-685 (1970)		
33.	Lee et al, Gastroenterology 112: 1386-139	7 (1997)	
34.	Logan et al, Infect. Immun. 45: 210-216 (	1984)	
35.	Logan et al, Mol. Microbiol. 35: 1156-116	7 (2000)	
36.	Martin, S.L. et al, J. Bio. Chem. 272: 2134	9-21356 (1997)	

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



## Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

DOCKET NUMBER: 12243.24-US-WO
APPLICANT(S): Susan M. Logan, et al

Application Number: 10/019,214

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

FILING DATE: December 21, 2001 GROUP ART UNIT

	FILING DATE: December 21, 2001 GROUP ART UNIT		
THER DOCUMENT	S (Including Author, Title, Date, Pertinent Pages, Etc.)		
37.	Monteiro et al, Eur. J. Biochem. 267: 305-320 (2000)		
38.	Monteiro et al, J. Biol. Chem. 273: 11533-11543 (1998)		
39.	Moran, Aliment. Pharmacol. Ther. 10 (suppl): 39-50 (1996)		
40.	Odenbreit et al, Gut 37 (Suppl. 1): A1 (1995)		
41.	Parsonnet et al, N. Engl. J. Med. 325: 1127-1131 (1991)		
42.	Phadnis et al, Infect. Immun. 62:1557-1565 (1994)		
43.	Potter et al, FEMS Microbiol. Lett. 129: 75-81 (1995)		
44.	Sawardeker et al, Anal. Chem. 39:1602-1604 (1967)		
45.	Thibault and Richards, Meth. Mol. Biol. 145: 327-343 (2000)		
46.	Tomb et al, Nature 388:539-547 (1997)		
47.	Tomb, et al, Database EMBL Accession AE000594 Aug 25 97; Sect. 72 or 134 of Complete Genome		
48.	Tsai et al (Anal. Biochem. 119: 115-119 (1982)		
49.	Tummuru et al, Mol. Microbiol. 18: 867-876 (1995)		
50.	Wakarchuk et al, J. Bio. Chem. 271: 19166-19173 (1996)		
. 51.	Wang et al, Mol. Microbiol. 31: 1265-1274 (1999)		
52.	Westphal et al, Meth. Carbohydr. Chem. 5: 83-91 (1965)		
· 53.	Yokota et al, Infect. Immun. 66: 3006-3011 (1998)		

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.